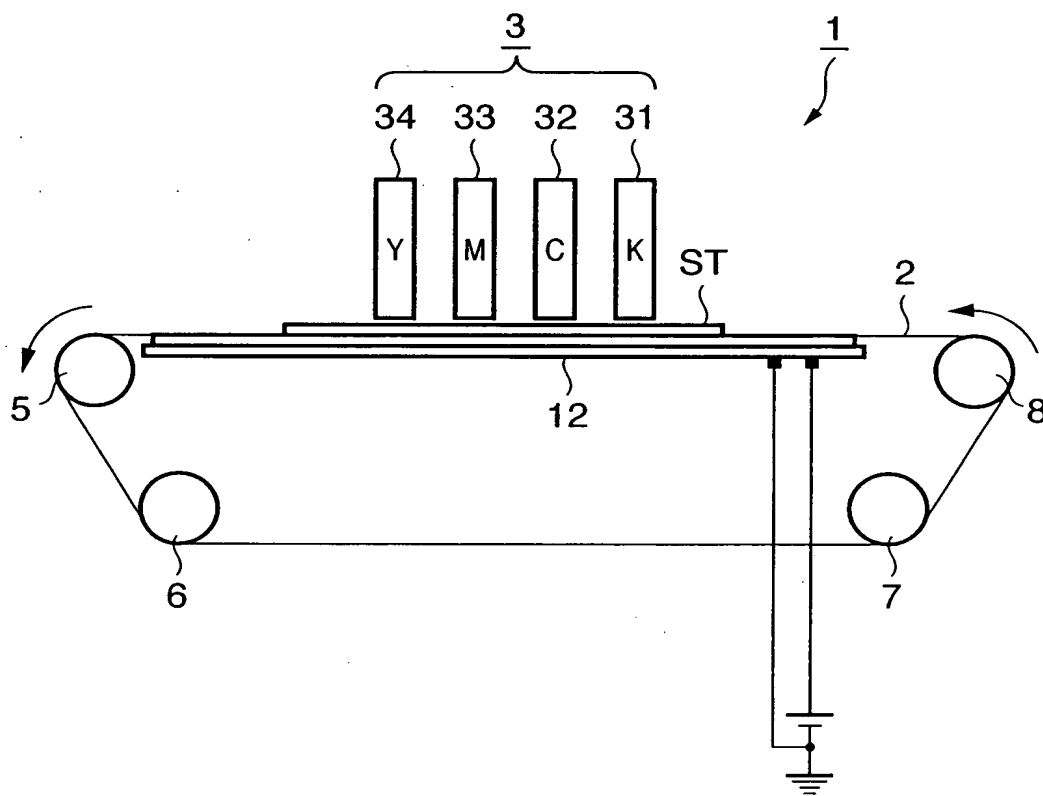
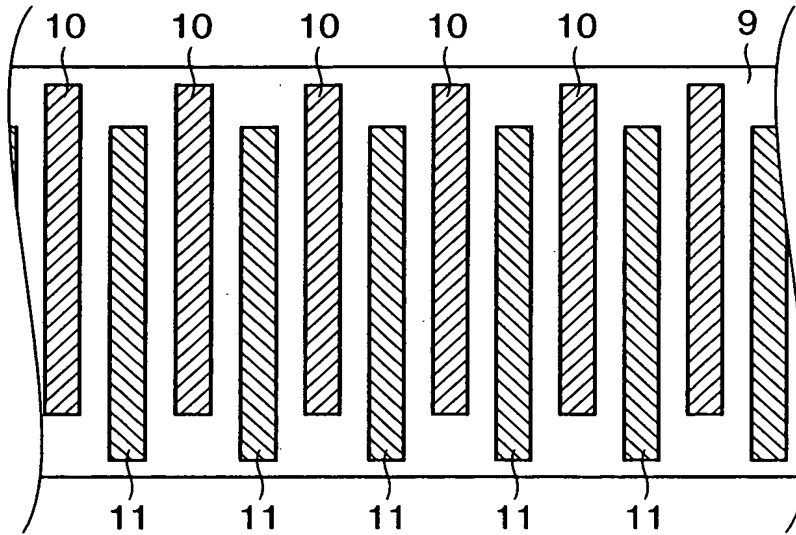
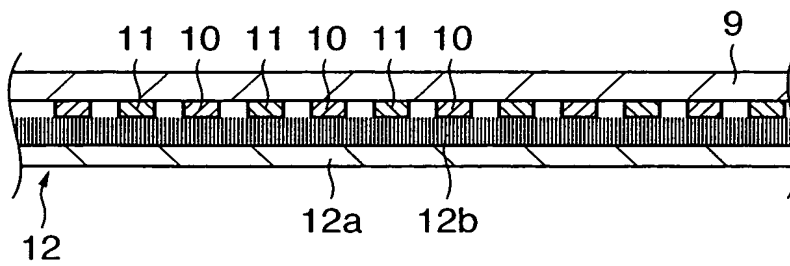


**FIG. 1**

**FIG. 2A**



**FIG. 2B**



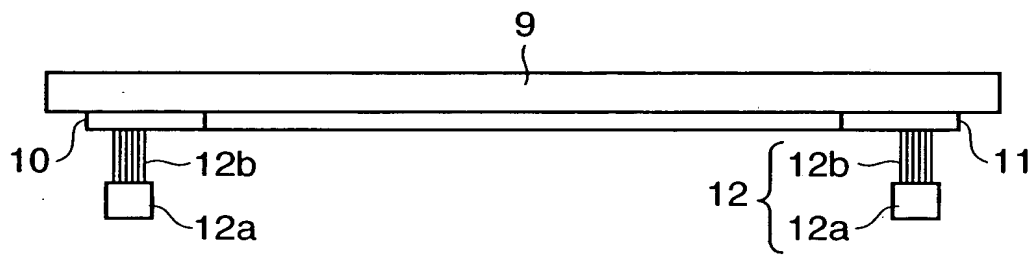
**FIG. 3**

FIG. 4

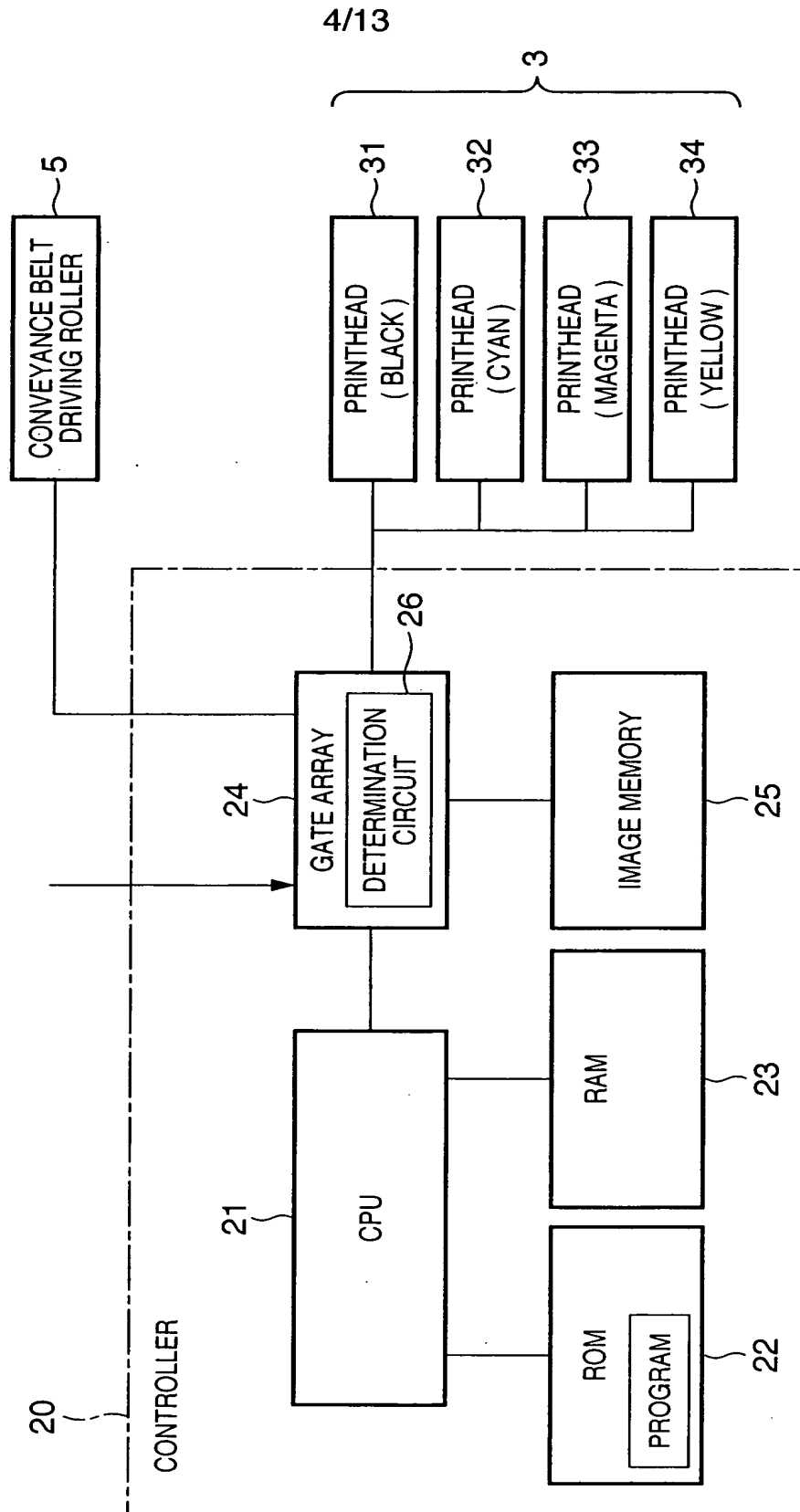


FIG. 5

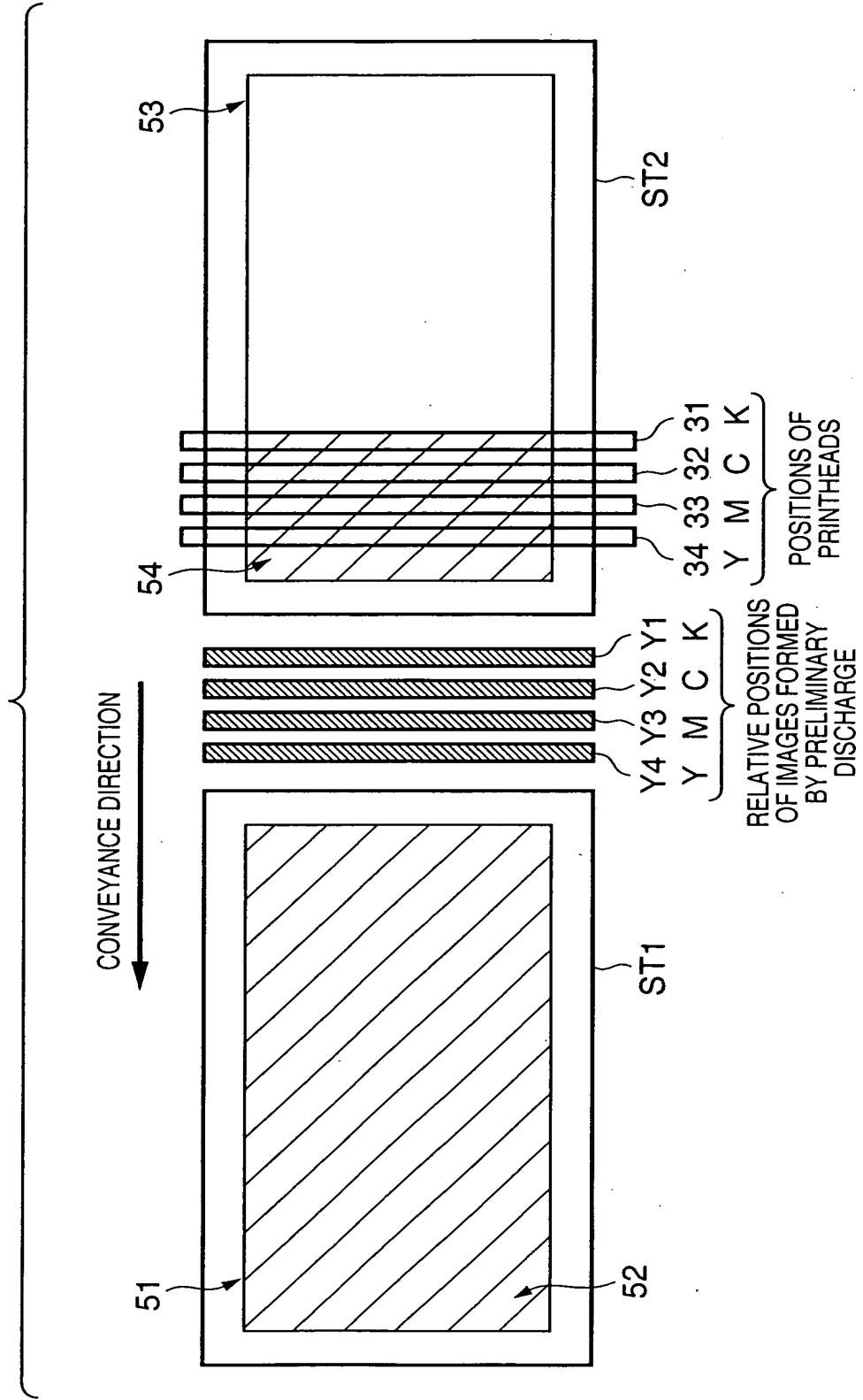
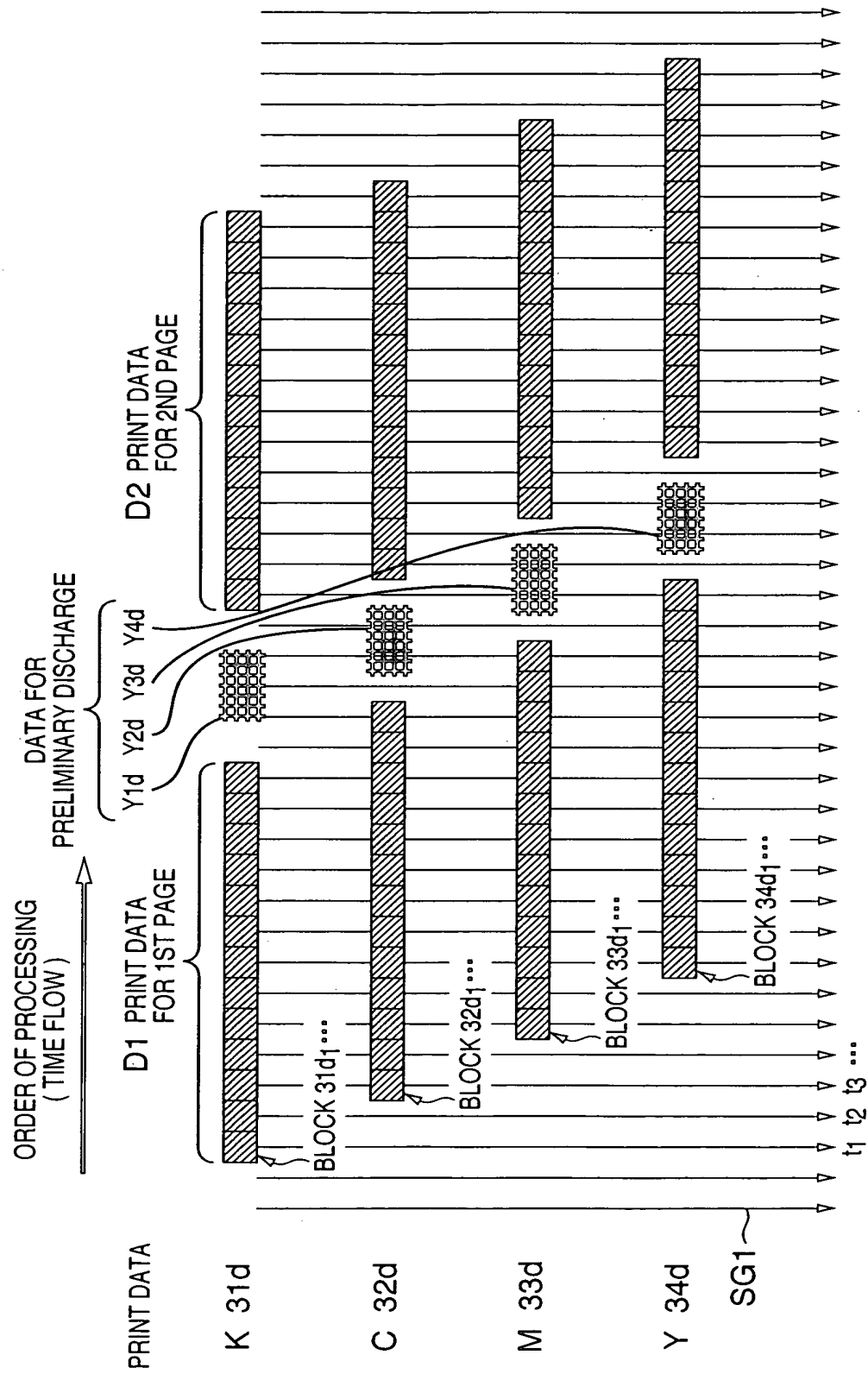


FIG. 6A



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FIG.  
6B

FIG. 6B

TIME	NUMBER OF PRINTING ELEMENT SGI ( SGI = LK + LC + LM + LY )					NUMBER OF PRINTING ELEMENT S FOR PRELIMINARY DISCHARGE
	NUMBER LK OF K PRINTING ELEMENTS	NUMBER LC OF C PRINTING ELEMENTS	NUMBER LM OF M PRINTING ELEMENTS	NUMBER LY OF Y PRINTING ELEMENTS		
t <sub>1</sub>	31d <sub>1</sub>					
t <sub>2</sub>	31d <sub>2</sub>					
t <sub>3</sub>	31d <sub>3</sub>	32d <sub>1</sub>				
t <sub>4</sub>	31d <sub>4</sub>	32d <sub>2</sub>				
t <sub>5</sub>	31d <sub>5</sub>	32d <sub>3</sub>	33d <sub>1</sub>			
t <sub>6</sub>	31d <sub>6</sub>	32d <sub>4</sub>	33d <sub>2</sub>			
t <sub>7</sub>	31d <sub>7</sub>	32d <sub>5</sub>	33d <sub>3</sub>	34d <sub>1</sub>		
t <sub>8</sub>	31d <sub>8</sub>	32d <sub>6</sub>	33d <sub>4</sub>	34d <sub>2</sub>		
t <sub>9</sub>	31d <sub>9</sub>	32d <sub>7</sub>	33d <sub>5</sub>	34d <sub>3</sub>		
t <sub>10</sub>	31d <sub>10</sub>	32d <sub>8</sub>	33d <sub>6</sub>	34d <sub>4</sub>		
t <sub>11</sub>	31d <sub>11</sub>	32d <sub>9</sub>	33d <sub>7</sub>	34d <sub>5</sub>		
t <sub>12</sub>	31d <sub>12</sub>	32d <sub>10</sub>	33d <sub>8</sub>	34d <sub>6</sub>		
t <sub>13</sub>	31d <sub>13</sub>	32d <sub>11</sub>	33d <sub>9</sub>	34d <sub>7</sub>		
t <sub>14</sub>		32d <sub>12</sub>	33d <sub>10</sub>	34d <sub>8</sub>		
t <sub>15</sub>		32d <sub>13</sub>	33d <sub>11</sub>	34d <sub>9</sub>	Y <sub>1d</sub>	PRELIMINARY DISCHARGE BETWEEN 1ST PAGE AND 2ND PAGE
t <sub>16</sub>			33d <sub>12</sub>	34d <sub>10</sub>	Y <sub>1d</sub>	
t <sub>17</sub>			33d <sub>13</sub>	34d <sub>11</sub>	Y <sub>2d</sub>	
t <sub>18</sub>	31d <sub>1</sub>			34d <sub>12</sub>	Y <sub>2d</sub>	
t <sub>19</sub>	31d <sub>2</sub>			34d <sub>13</sub>	Y <sub>3d</sub>	
t <sub>20</sub>	31d <sub>3</sub>	32d <sub>1</sub>			Y <sub>3d</sub>	
t <sub>21</sub>	31d <sub>4</sub>	32d <sub>2</sub>			Y <sub>4d</sub>	
t <sub>22</sub>	31d <sub>5</sub>	32d <sub>3</sub>	33d <sub>1</sub>		Y <sub>4d</sub>	
t <sub>23</sub>	31d <sub>6</sub>	32d <sub>4</sub>	33d <sub>2</sub>			
t <sub>24</sub>	31d <sub>7</sub>	32d <sub>5</sub>	33d <sub>3</sub>	34d <sub>1</sub>		
t <sub>25</sub>	31d <sub>8</sub>	32d <sub>6</sub>	33d <sub>4</sub>	34d <sub>2</sub>		
t <sub>26</sub>	31d <sub>9</sub>	32d <sub>7</sub>	33d <sub>5</sub>	34d <sub>3</sub>		
t <sub>27</sub>	31d <sub>10</sub>	32d <sub>8</sub>	33d <sub>6</sub>	34d <sub>4</sub>		
t <sub>28</sub>	31d <sub>11</sub>	32d <sub>9</sub>	33d <sub>7</sub>	34d <sub>5</sub>		
t <sub>29</sub>	31d <sub>12</sub>	32d <sub>10</sub>	33d <sub>8</sub>	34d <sub>6</sub>		
t <sub>30</sub>	31d <sub>13</sub>	32d <sub>11</sub>	33d <sub>9</sub>	34d <sub>7</sub>		
t <sub>31</sub>		32d <sub>12</sub>	33d <sub>10</sub>	34d <sub>8</sub>		
t <sub>32</sub>		32d <sub>13</sub>	33d <sub>11</sub>	34d <sub>9</sub>		
t <sub>33</sub>			33d <sub>12</sub>	34d <sub>10</sub>		
⋮			⋮	⋮		

PRINT-  
ING  
FOR  
1ST  
PAGE  
(Y)

PRINT-  
ING  
FOR  
2ND  
PAGE  
(Y)

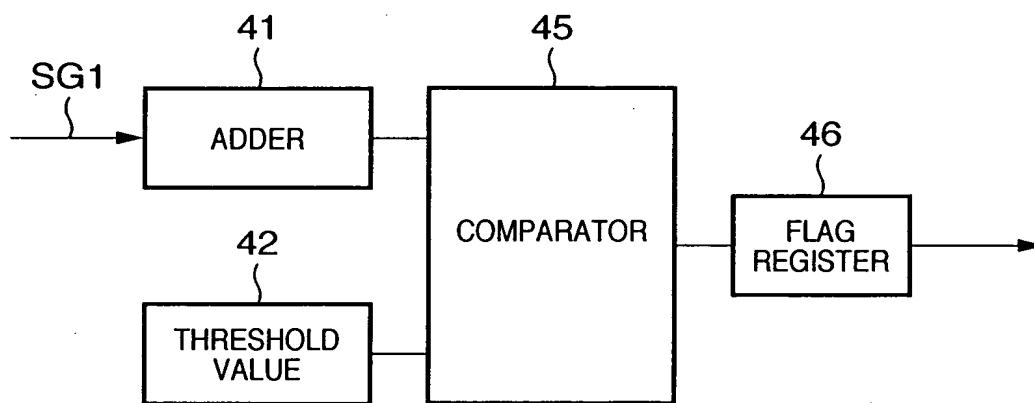
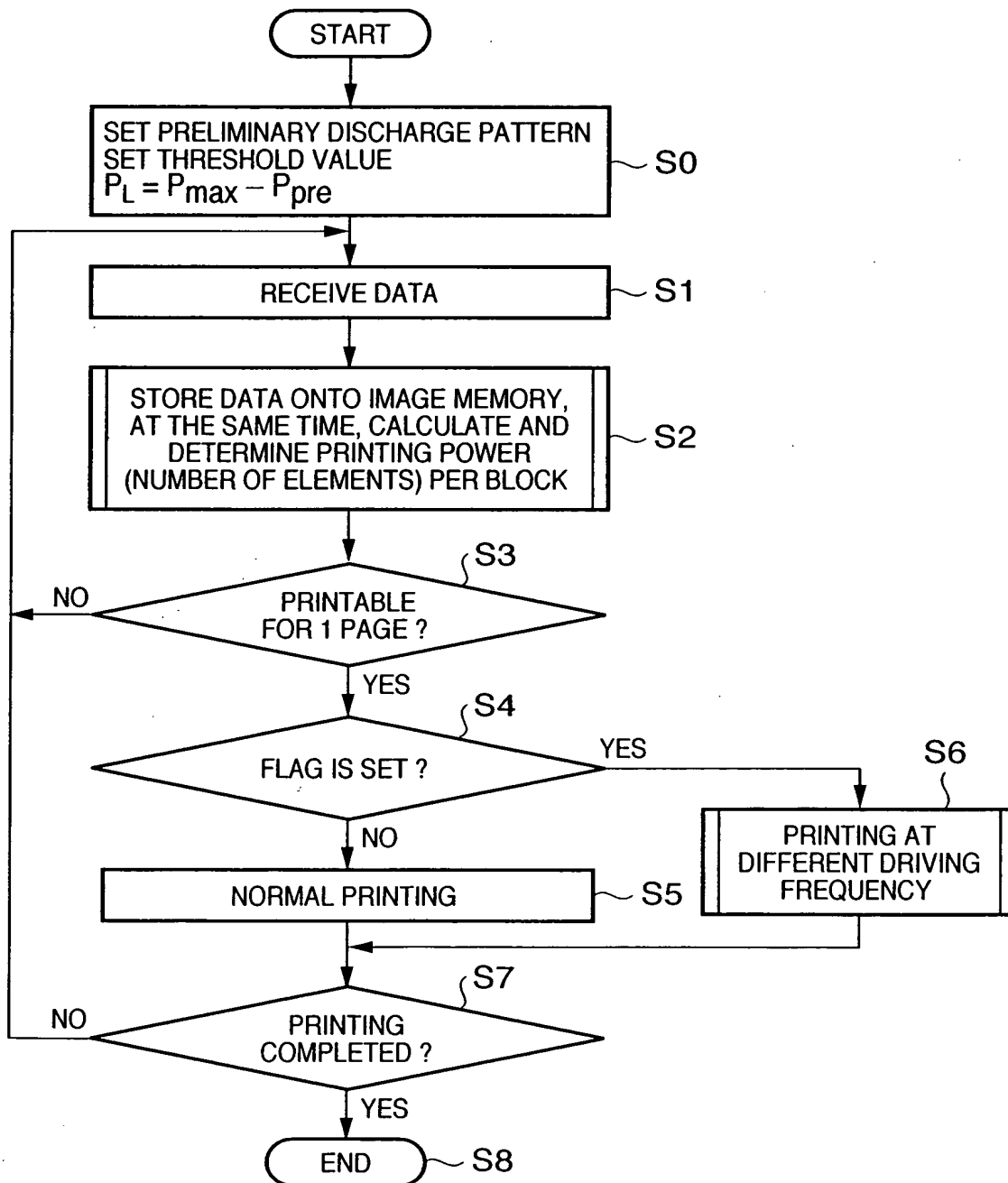
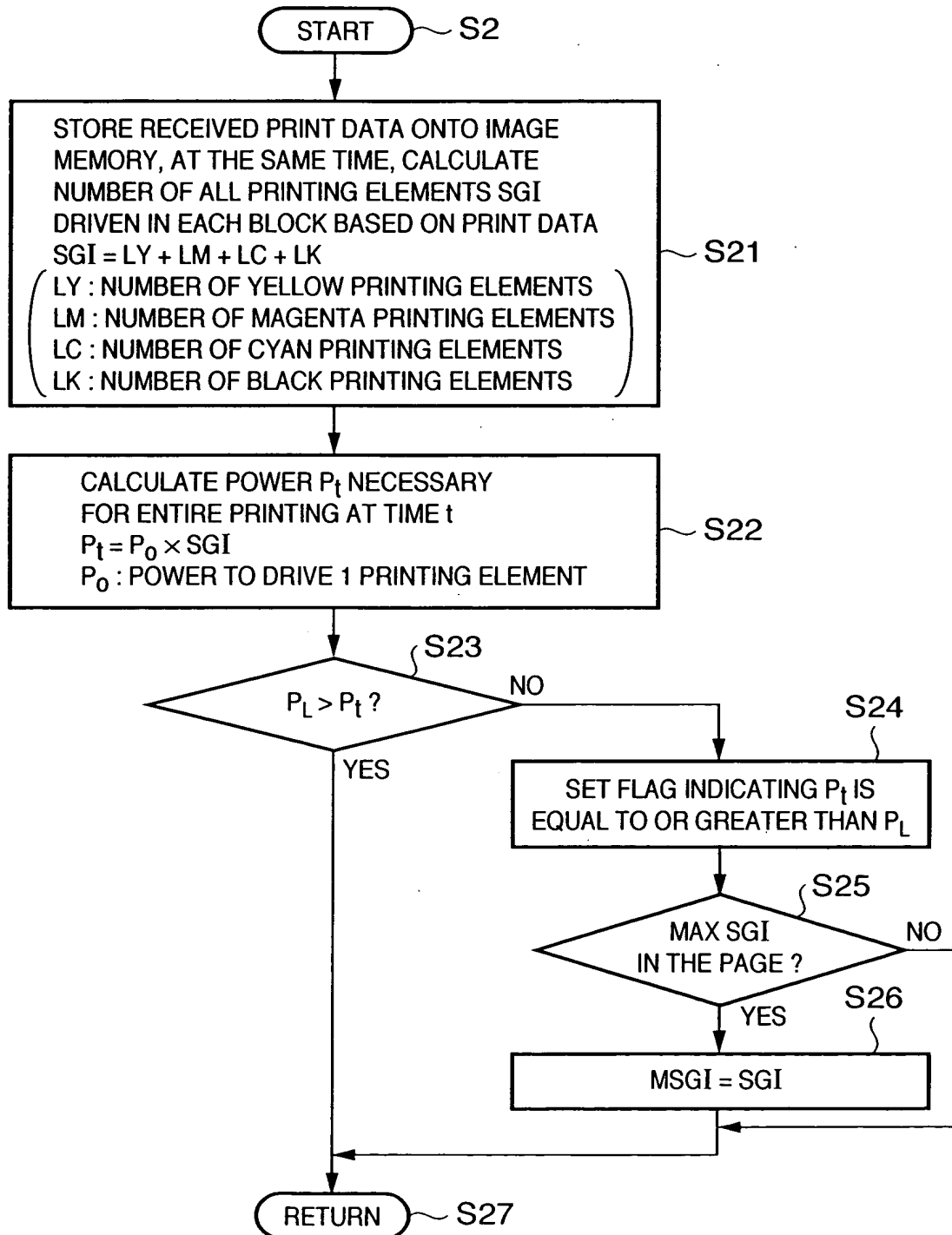
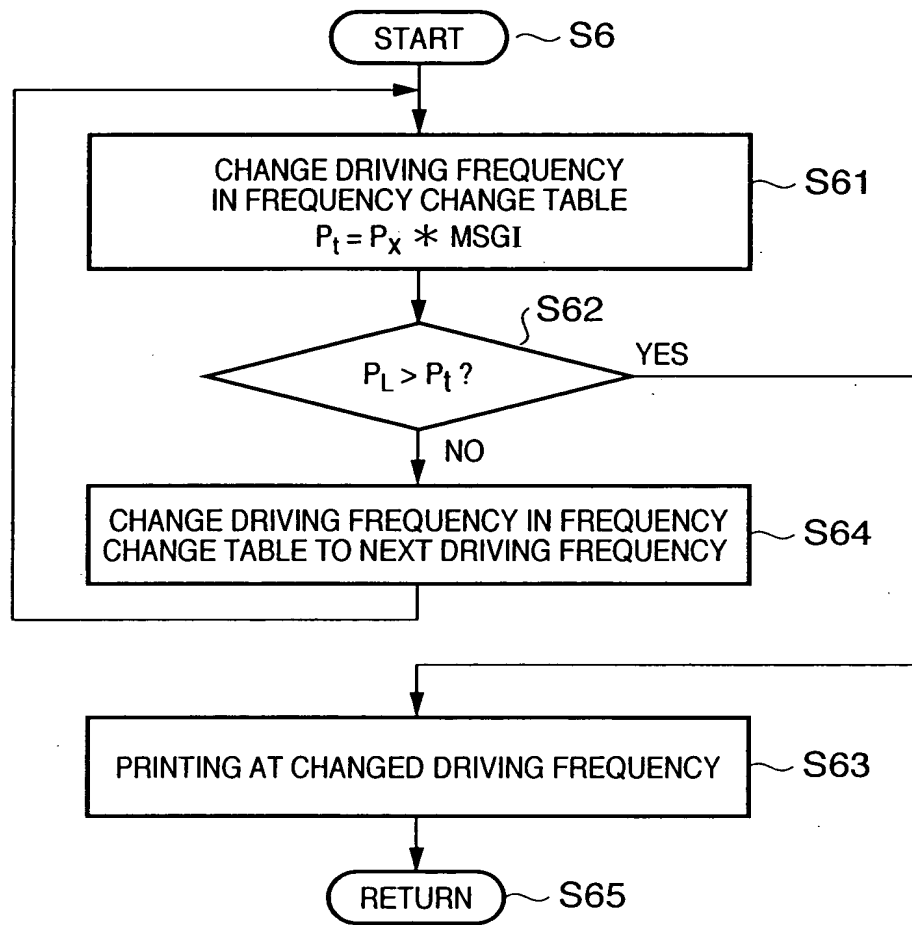
**FIG. 6C**



FIG. 7



**FIG. 8**

**FIG. 9**

**FIG. 10**

PATTERN	PRELIMINARY DISCHARGE PROFILE	PRELIMINARY DISCHARGE POWER $P_{pre}$
1	DISCHARGE FROM ONLY ODD-NUMBERED PRINTING ELEMENTS	$P_1$
2	DISCHARGE FROM ONLY EVEN-NUMBERED PRINTING ELEMENTS	$P_2$
3	DISCHARGE FROM ALL PRINTING ELEMENTS	$P_3$
$\vdots$	$\vdots$	$\vdots$
n	XXX	XXX

**FIG. 11**

NUMBER	DRIVING FREQUENCY (Hz)	DRIVING POWER (w)
1	XXX	P <sub>1</sub>
2	XXX	P <sub>2</sub>
3	XXX	P <sub>3</sub>
⋮	⋮	⋮
n	XXX	XXX